

REMARKS

Introduction And Interview Summary

Applicants thank Examiner Palabrica for the courtesies extended during the telephonic interview conducted August 25, 2010. Applicants confirm that the Examiner's Interview Summary mailed August 30, 2010 accurately reflects the content of the Interview and that several approaches were discussed for overcoming the § 112 rejections of the June 4, 2010 Office Action. One of the approaches discussed at the interview are now a part of the independent claims.

The Current Claims

With this amendment, claims 1-6, 11-12, 14, 21-25, 30-47 are pending. Claims 1, 23 and 40 are the independent claims. Claims 1 and 23 are amended. In the prior response, new claims 39 and 40 were added. However, the prior response did not contain a claim 38. Prior claims 39 and 40 have been renumbered as claims 38 and 39, respectively. Claim 40-47 are new. The claims have been amended in view of the discussion held during the Interview. No new matter has been added.

The Rejections

All Remaining Rejections are § 112 Rejections

The Examiner rejected claims 1-6, 11, 12, 14, 21-25 and 30-40 based upon section 112 first paragraph as not complying with the written description and enablement requirements, and section 112 second paragraph as being indefinite.

In particular, claim 1 has been amended to recite "each outlet having a cavity exit portion extending from the cavity, the cavity exit portion of each outlet conduit having a longitudinal central axis, each longitudinal central axis of the cavity exit portion of the outlet conduits intersecting the central longitudinal axis of the inlet and

forming angles with the central longitudinal axis of the inlet and which angles cause a turbulent vortex in the flow of the target fluid inside the cavity.”

Claim 23 is amended to recite “each outlet having a cavity exit portion that exits the cavity, the cavity exit portion of each outlet conduit having a longitudinal central axis intersecting the central longitudinal axis of the inlet and forming an angle with the longitudinal central axis of the inlet conduit, each angle between the central axis of the inlet conduit and the central axis of each of the outlet conduits less than 25° to cause a turbulent vortex in the flow of the target fluid inside the cavity.”

New claim 40 is substantially similar to claims 1 and 23 with the limitation of “each outlet having a cavity exit portion that exits the cavity, the cavity exit portion of each outlet conduit having a longitudinal central axis, each longitudinal central axis of the cavity exit portion of the outlet conduits forming acute angles with the central longitudinal axis of the inlet and which acute angles cause a turbulent vortex in the flow of the target fluid inside the cavity.”

Support for these amendments can be found at least at paragraphs [0074]-[0081] and Figures 2, 5, and 7 of the Specification. The angles of the independent claims would be generally shown in Figure 7 (set forth below) if lines of the central axes of the inlet (4) and outlets (5 and 6 where these channels angle inwardly to the cavity 8) were generally extended to intersect.

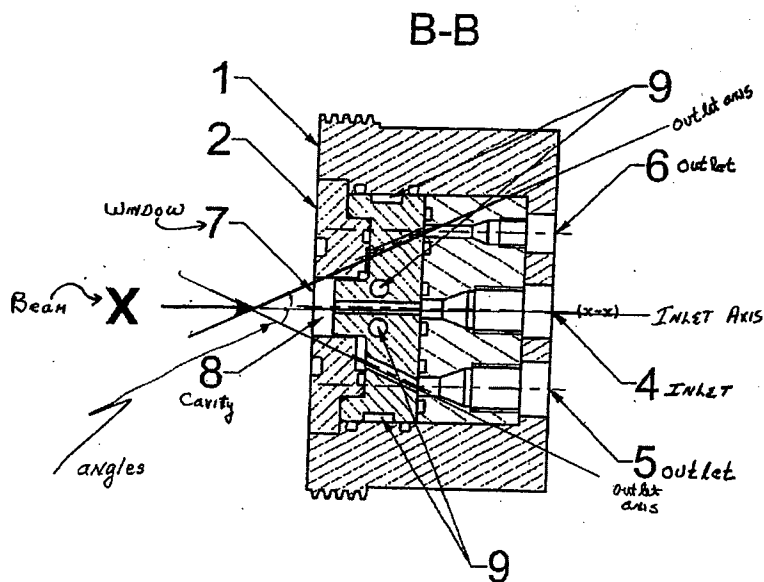


Fig. 7

During the interview, it was discussed that the outlets in the various embodiments were arranged in a similar manner about the periphery as shown in FIGS. 2 and 5. Therefore, one reading the specification would understand that the description of the arrangement of the outlets as it pertains to FIG. 2 would also be valid for describing the arrangement of the outlets in FIG. 5. The present independent claims are supported by the Specification and reflect the claim language discussed during the Interview as being sufficient to overcome the § 112 rejections.

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Conclusion

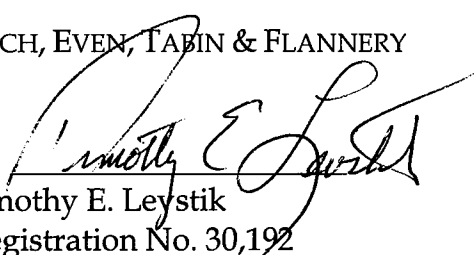
In view of the amendments made herein and the discussion at the interview, applicants respectfully request that the amendment herein be entered, the claims herein be reconsidered and allowed to pass to issue.

The Commissioner is hereby authorized to charge any additional fees which may be required with respect to this communication, or credit any overpayment, to Deposit Account No. 06-1135.

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

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By, 
Timothy E. Leystik
Registration No. 30,192

120 South LaSalle Street, Suite 1600
Chicago, Illinois 60603-3406
Telephone (312) 577-7000
Facsimile (312) 577-7000